



DEPARTMENT OF THE ARMY

HEADQUARTERS, U S ARMY GARRISON FORT MONMOUTH

FORT MONMOUTH, NEW JERSEY 07703-5101

August 26, 2009

From Howard M Syvarth TVS Hydrogeologist
To UST file
Subject UST Closure Reports for Building 2231/Tank Registration # 81515-1

Enclosed are the file review sheets for the closure of the Underground Storage Tank(s) (USTs) located at the above referenced location. After performing a file review to include submittals to NJDEP I have determined that the tank closure and the subsequent report meet the minimum requirements established by NJDEP and as such are considered to be closed by both NJDEP and the Directorate of Public Works, US Army Garrison Fort Monmouth.

This document serves as the official site closure. All supporting documentation for the closure of this site can be found in the UST folder located in the library archive in Bldg 173, Fort Monmouth, New Jersey.

Any questions regarding the information found in this or any other UST folder should be directed to

Howard M Syvarth
TECOM-Vinnell Services (TVS)
Staff Hydrogeologist, UST program
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Email Howard.M.Syvarth@us.army.mil

Sincerely,

Howard M Syvarth
TVS Staff Hydrogeologist

Mr Charles Appleby
Subsurface Evaluator NJDEP #9974
Environmental Protection Specialist
Directorate of Public Works



Fort Monmouth UST Status Summary Report

UST REGISTRATION INFORMATION SUMMARY

LOCATION: 2231 *NJDEP REG ID:* 81515-1
RESIDENTIAL? YES

UST CONSTRUCTION INFORMATION SUMMARY

SIZE (GALLONS): 550 *CONSTRUCTION:* FRP
PRODUCT: #2 FUEL OIL *YEAR INSTALLED:* 1985

UST REMOVAL/INVESTIGATION SUMMARY

REMOVAL DATE: 10/25/1999 *REMOVAL CONTRACTOR:* TVS
SRF SEND DATE: N/A *TMS:*
DICAR NO. *LEAK DETECT:* N/A

REMEDIAION COMMENTS: 11/09/94 SAI removed 260 gallons of oil left 34 gallons of waste in tank Residential UST with no contamination and no DICAR no Closure Report required

REGISTRATION COMMENTS:

SAS DONE: N/A *CONSULTANT:* TVS

MWs NEEDED: 0 *MONITORING WELLS:* 0

SUB-SURFACE EVALUATOR: D Desai

CURRENT UST STATUS

UST STATUS: Removed. Report Submitted/Not Nec *CASE STATUS:* Case Closed
SUBMITTAL DATE: *APPROVAL DATE:*

Fort Monmouth Underground Storage Tank Assessment Questionnaire

Site Name: 2231 -

Is the UST Residential: YES

There is / are 1 UST(s) located at this site.

CASE STATUS: *Case Closed*
NFA ISSUED:
File Review Date: 10/24/08
By: HOWARD M. SYVAK

This NJDEP UST Registration # is: 81515 - 1 to _____

This UST was 550 Gallons in size, was made of FRP and contained #2 FUEL OIL.

The UST was installed in 1985 and removed by TVS on 10/25/1999. A
Standard Reporting Form was sent to the NJDEP on N/A. NJDEP Closure #

Subsurface Evaluator: D. Desai NJDEP # _____

A Site Investigation Report was completed by TVS and submitted to the NJDEP on

The Current Status is Removed, Report Submitted/Not Nec

The Revised Status as of _____ completed by _____ is:

The Current UST Database Comments are 11/09/94 SAI removed 260 gallons of oil, left 34 gallons of waste
in tank Residential UST with no contamination and no DICAR no Closure Report required

The Revised Comments as of 10/24/08 completed by HOWARD SYVAK is:
- NO NFA for site, no discharge no report to NJDEP.

Database updated on _____ by _____.

Remedial Phases: PA SI RI RAW CEA NFA

Project transferred to the Fort Monmouth Restoration Program

Project # FTMM- _____

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Fort Monmouth Underground Storage Tank Assessment Questionnaire

1 Has the property been or is the property currently the subject of any remediation with NJDEP oversight? Yes No

If Yes provide the following

Case Number

Case Lead (US Army) _____

Case Manager (NJDEP) _____

Case Status Data base " Case Closed ", As of this date _____

2 Was a Preliminary Assessment (PA) performed in accordance with N J A C 7 26E-3 1? Yes No

3 Were any Areas of Concern (AOCs) identified? Yes No
If yes proceed to question 4 If no. proceed to Check List (page 8)

4 Were any potentially contaminated AOCs identified? Yes No

List and describe all potentially contaminated AOCs

UST Area Underground Piping Area Dispenser Area UST Fill Area

5 List and describe all AOCs subject to the 7.26E Regulations
UST Area Underground Piping Area Dispenser Area UST Fill Area

6 Was a discharge of a hazardous substance, contaminant or pollutant identified? Yes No

If so, was the discharge to (check all that apply)

Soil Ground Water Surface Water Ecologically Sensitive Area

Other (specify) _____

Fort Monmouth Underground Storage Tank Assessment Questionnaire

- 7 How was the discharge identified? (check all that apply)
Sample Analysis [] Olfactory [] Visual [] Record/ Loss of Product [] Field Analysis []
Other [] (specify) _____
- 8 What was the source of the discharge?
UST Area [] Underground Piping Area [] Dispenser Area [] UST Fill Area []

- 9 Were any of the following conditions present? (Check all that apply)
Soil Staining [] Distressed or Dead Vegetation [] Product Entering Storm Sewer []
Product Entering Basement [] Off-site Migration [] Product Observed on Surface Water []
Other [] (specify) _____
- 10 Were samples collected in accordance with the provisions of N J A C 7 26E and the Department's applicable Field Sampling Procedures Manual? Yes [] No
TPHC VOA+10 [] BN+15 [] lead [] PP+40 []
Other _____
- 11 Were soil samples collected at the appropriate depth as per N J A C 7 26E Yes [] No
- 12 Were samples biased toward the most contaminated areas using field Instruments and/or visual and olfactory observations? Yes [] No
How was this accomplished? _____
- 13 If only TPHC samples taken, were samples >1000mg/kg run for VOA+10? [] Yes No
no samples were > 1,000 ppm
- 14 Was the vertical and horizontal extent of soil contamination delineated prior to remediation? [] Yes No
Explain *no delineation required* _____

Fort Monmouth Underground Storage Tank Assessment Questionnaire

- 15 Fully describe the method of remediation?
Source Removal and Disposal [] Free Product removal by Vacuum Truck []
Other _____

- 16 If excavation was performed, what was the depth of the bottom of the excavation? 7 feet
- 17 What is the approximate depth to saturated zone (seasonally high water table)? _____ feet
How was this determined? Observed Measurement [] Monitoring Well []
/Other _____
- 18 Is the Site Tidally Impacted? [] Yes [] No
- 19 What is the percentage of silt/clay in the soil between the contaminant and the saturated zone?
_____ How was this determined? _____
_____ Not Available
- 20 Was ground water present in the excavation? [] Yes No
If yes, was there a sheen observed on ground water? [] Yes [] No
- 21 Are there any Public Supply Wells within 2,000 feet of confirmed soil contamination? [] Yes [] No
How was this determined? Well Search [] _____
- 22 Was contaminated soil removed from the site? [] Yes No
How much soil was removed? _____ tons/cubic yards (circle one)
To what facility was the soil taken? _____
Date taken _____
- 23 Were the analytical results for all soil post excavation/remediation samples below the Department's ~~June~~ Sept. 2008 residential soil cleanup criteria? Yes [] No

Fort Monmouth Underground Storage Tank Assessment Questionnaire

If No, describe in detail in Comments Page 6

- 22 Was this an investigation pertaining to a non-regulated heating oil tank? Yes [] No
Fort Monmouth Database : YES
If yes, complete the following, If no go to 23
- Do on-site structures have a basement/crawl space? [] Yes [X] No
 Was staining observed on the basement/crawl space walls or floor? [] Yes [] No [X] NA
 Were petroleum odors observed in the basement/crawl space? [] Yes [] No [X] NA
 Is a sump present in the basement/crawl space? [] Yes [] No [X] NA
If yes, please indicate location on site map.
- Was water observed in the sump? [] Yes [] No [X] NA
 Was a sheen observed on the water in sump? [] Yes [] No [X] NA
 If there was no water in the sump was the base of the sump investigated for a petroleum discharge? [] Yes [] No [X] NA
 If the sump was investigated, was a discharge observed? [] Yes [] No [X] NA
- 23 Is a regulated underground storage tank the subject of the remediation? [] Yes [X] No
If yes, complete the following, If no, go to 24
- Was a closure approval or 14 day notification obtained prior to the closure of the tank? [] Yes [] No
 List Closure Approval/Notification Numbers NJDEP Closure # _____
 Was the closure or any remediation performed by an individual and firm certified in closure and subsurface evaluation? [] Yes [] No
- Subsurface Evaluator: D. Desai** _____
 Individual certification number _____
 Firm certification number _____
- Was an Underground Storage Tank Facility Certification Questionnaire completed and submitted "delisting" the subject tanks? [] Yes [] No
- 24 Was a Baseline Ecological Evaluation conducted pursuant to N J A C 7 26E? [] Yes [X] No
 If No. was the BEE a regulatory requirement at the time? [] Yes [X] NA
 (UST removed prior to 1997 or the UST is Residential?)
 If Yes is there a contaminant of concern present? [] Yes [X] No

Fort Monmouth Underground Storage Tank Assessment Questionnaire

Are there environmentally sensitive natural resources within or surrounding the property? Yes No

Are there potential contaminant migration pathways present? Yes No

Were potential ecological impacts identified? Yes No

Is a BEE planned to be completed for this site? Yes No

25 Was the site restored in accordance to N J A C 7 26E-6 4(b)? Yes No

26 Was the remedial investigation/action report prepared in accordance with N J A C 7 26E? Yes No

27 Remediation completed date 10/2/99

28 Are there currently, or have there ever been, any Deed Notices or Declarations of Environmental Restriction pursuant to N J S A 58 10B-1 et seq and N J A C 7 26E-1 et seq for the Site? Yes No

If yes, Attach a copy of the Deed Notice or Declaration of Environmental Restriction

29 Has NJDEP ever issued a no further action letter ("NFA") for any portion of the Site? Yes No

NFA ISSUED:

If Yes, in accordance with N J S A 58 10B-13(e), is there an order of magnitude difference between the currently applicable remediation standard or criterion and the contaminant level approved under such previously issued NFA? Yes No

31 Subcontractors employed during the investigation/remediation (list all)

Name/Address TVS

Name/Address TVS

Name/Address _____

Name/Address _____

Name/Address _____

COMMENTS



Fort Monmouth Underground Storage Tank Assessment Questionnaire

Site Investigation - Remedial Investigation/Action Report Checklist: DATE: _____

- Soil Contamination currently exists on site Yes No NA
- GW Contamination currently exists on site Yes No NA
- Contaminated Soil Disposal Receipt (fully executed manifest) Yes No NA
- Tank Disposal Certificate Yes No NA
- Tank Contents Disposal Receipt (fully executed manifest) Yes No NA
- Fill was "certified clean" in accordance with N J A C 7 26E-6 4 Yes No NA
- Scaled site map with AOCs and north arrow Yes No NA
- Sample Results Summary Tables (N J A C 7 26E-4 8) Yes No NA
- Laboratory was certified to perform the required tests Yes No NA
- Chain of Custody forms submitted Yes No NA
- Signed laboratory deliverables checklist and Non-Conformance Summaries submitted Yes No NA
- Problems identified in the laboratory deliverables checklist and Non-Conformance summaries Yes No NA
- Holding times were met for all analyses Yes No NA
- MDLs below most stringent soil cleanup criteria Yes No NA
- Laboratory sample summary submitted Yes No NA
- QA/QC package (reduced deliverables) submitted Yes No NA
- VOC soil samples methanol preserved (sample weights included) Yes No NA
- Electronic data package (home heating oil tanks exempt) Yes No NA
- Well search submitted Yes No NA
- Baseline Environmental Evaluation (home heating oil tanks exempt) Yes No NA
- Closure approval notification enclosed Yes No NA
- No Further Action letter(s) enclosed Yes No NA